

Arpit Lamichhane

Information Technology

Personal Profile

Motivated undergraduate student pursuing a B Tech IT degree at Veltech University, seeking opportunities to apply classroom knowledge to real-world projects, collaborate with diverse teams and gain hands-on experience in the IT field.

Education

2021-2025

B Tech

Currently pursuing bachelor's degree in Information Technology from Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, India with **CGPA of 9.01 out of 10.**

2018-2020

12th

Completed from Gurukul College, Bharatpur, Nepal with **CGPA of 3.2 out of 4.**

2017-2018

10th

Completed from Sky rider Higher Secondary English Boarding School, Tandhi, Chitwan, Nepal with **CGPA of 3.35 out of 4.**

Experience/Honors

AICTE-Innovate India Coding Championship 2022: Cleared prelims of IICC 2022 held in August, 2022.

AWS Academy Graduate - AWS Academy Cloud Foundations:

Workshops and Seminars: Ethical Hacking Essentials, Cyber Security, The Future of AI, User Experience (UX) Design, Design Thinking, AI Drone Technology, Innovation and Entrepreneurship Idea Generation.

Volunteering internship: Volunteered at **Muskurahat Foundation** (Nov-8, 2022) fulfilling the role of running crowdfunding campaigns, set up events.

Working as a member of **NEPAL REDCROSS SOCIETY** since 2015.

Projects

Social Media application

The project goal is to develop a social media application for the college students, who can able to post their questions are any kind of doubts in the website so that whoever can give the answer for the question can post it, by this the competitive spirit will increase among the students and will able to give their best in the subjects.

Technology Stack: HTML, CSS, JavaScript, Node.js, MongoDB

Contact Details



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Expertise

- Adaptation and Collaboration
- Project Management
- Innovative
- Problem Solving
- Software Development Life Cycle
- Strong Communication

Languages

Nepali

Hindi

English

Technical Skills

- C Programming
- C++ Programming
- Python Programming
- Java Programming
- Web Development
- DBMS
- Operating System
- Data Structures and Algorithms
- Computer Networks
- Cryptography and Network Security
- Project Management
- AI/ML
- Software Development Tools

AI chat-bot to answer FAQ's

In the developing world daily many numbers of websites are creating daily and there is some lack of customer service to the users who use their website, so there will be the negative impact on the website. By concerning all the issues, the chat-bots are evolving, by these chat-bots we can give the answer to the questions that was asked by the user. And the user also will be satisfied by these chat-bots.

Technology Stack: Convolution Neural Network (CNN), Natural Language Processing (NLP)

Multi Disease Detection system using Two Layered Neural Networking (AI/ML)

Designed and developed a multi disease detection system leveraging machine learning algorithms to predict the likelihood of heart disease, Parkinson's disease, and diabetes based on user's input data including blood pressure, maximum heart rate, and calcium values. Implemented as a user-friendly web application, this system offers a convenient and reliable self-testing solution, eliminating the need for a doctor's visit. Created dedicated web pages for each disease for targeted testing. The project significantly enhances healthcare accessibility by providing quick, easy, and cost-effective disease testing for individuals of all age groups and geographical locations.

Technology Stack: Logistic regression and Support Vector Machine (SVM) Algorithm, Git, Anaconda, StreamLit.

EEG-Based Motor Imagery Classification Using Deep Learning Techniques

Utilized deep learning techniques, including CNN to classify motor imagery EEG signals for brain-computer interfaces, enhancing accessibility for individuals with neuro-motor disorders. Leveraged wavelet decomposition for feature extraction, achieving promising results in accurately categorizing multiple classes of motor imagery tasks.

Technology Stack: Convolution Neural Network (CNN), Python, TensorFlow, Anaconda, Git.

Hobbies

Cricket: A former member of CAC (a cricket academy in Chitwan, Nepal). Participated in many tournaments on and off campus and inter-schools.

Football: Participated in many football and futsal tournaments on and off campus.

Music: Listening to music and playing guitar.

Reading: Reading Novels and Mangas.